

Orbit X

EXPLOSION PROOF WI-FI CAMERA

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Explosion Proof Wi-Fi Camera



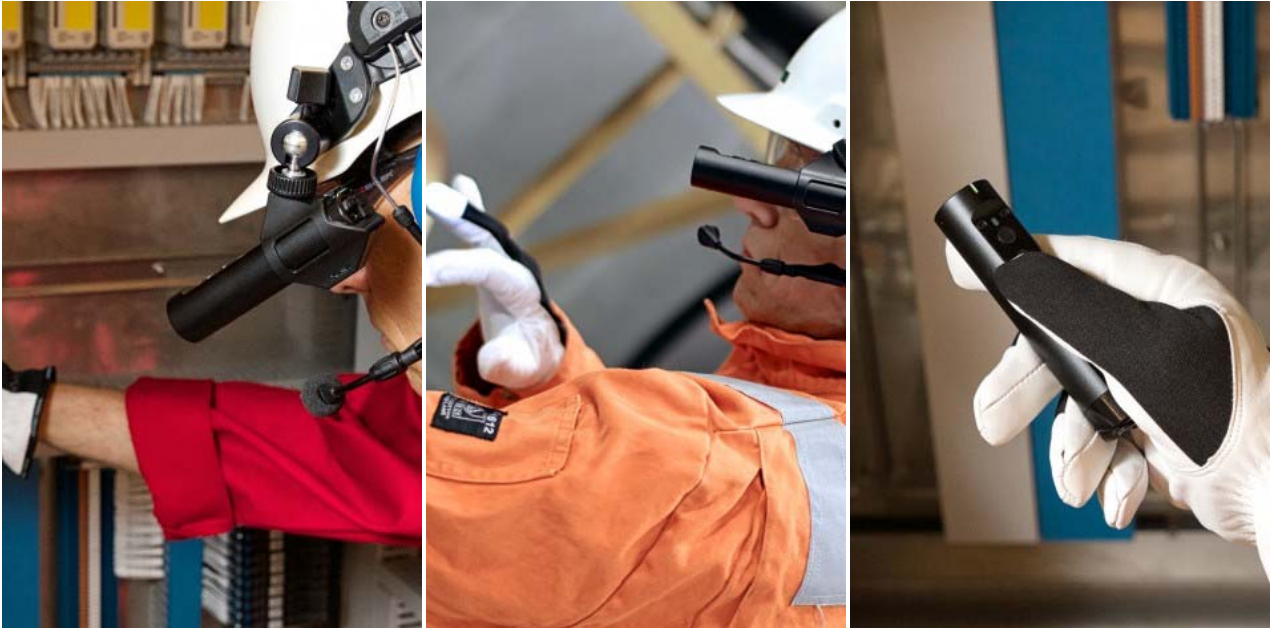
Extremely compact and versatile

Dual Band Wifi	High end Imaging
Sync to USB	Cloud managed
Rugged / Waterproof	Zone 1

Intro

The Orbit X is is probably the toughest and smartest IECEx and ATEX Zone 1 explosion proof camera you have ever seen. The camera has a HD imaging camera, LED light and laser pointer fitted into an extremely compact form. This enables you to capture images, video, conduct video conferencing and CCTV type video streaming sessions in any hazardous area.

Pictures



The explosion proof Orbit X camera offers crisp and colorful 1080p imaging and video that you can store locally or stream in high quality over Wi-Fi or Bluetooth to any viewer. It is designed to be used in confined, dark and hard to reach areas. With focus on simple, user friendly operation in a compact, power efficient and rugged design, it is a very versatile product. The Orbit X can be used as a helmet, inspection or surveillance camera.

What



Applications

Remote diagnostics
Tele buddy mode
Inspection and maintenance
Surveillance

Features

HD video streaming
High end imaging
Light and flexible
Powerful LED

Benefits

Make better decisions
Increase flexibility
Decrease travel expenses
Improve work routines

Specifications

Double battery capacity
IECEX and ATEX
Rugged, IP68
Dual Band Wi-Fi



Full HD video conferencing

The Pixavi Orbit X is nothing short of a technological innovation statement by BARTEC PIXAVI. Imagine that a camera this compact and rugged can record, stream and output 1080p video and 8 megapixel stills wirelessly. You can also record images and video locally, and transfer them to a computer using USB. The Orbit X has 32 to 64 GB of internal memory.

Since the camera is running Android, you can remotely install apps and run them via the USB-display function. We are bundling the SIPIDO app, that allows you to do full HD video conferencing wirelessly. The Wi-Fi camera can stream video to any SIP or H.323 video conferencing system.

Integrated LED & Laser

The Orbit X is equipped with two powerful video light LEDs for scene illumination. It is designed for use in confined, dark and hard to reach areas. The light will not trigger any optical alarms. The integrated laser pointer allows for easy collaboration when in a real time communication session, and can be used for pointing and explanation.

USB display

Connect to PC and control via USB display function, install apps and configure Android settings. It can be managed remotely using the HostedMobiles.com device management system. The Orbit X can be paired wirelessly with any Android device.

Specifications



Three modes of operation

The Orbit X explosion proof camera is very versatile, and can be used for a wide range of inspection, maintenance, documentation, communication and collaboration tasks. The three modes are

1. Standalone camera or camcorder
2. Smartphone pairing via Bluetooth or Wi-Fi
3. Network camera and video conferencing

Buttons & indication

We have worked hard to make this camera as easy to use as possible. Each function has a dedicated button: illumination/laser, recording/snapshot and on/off. It comes with a simple quick guide and is very easy to set up for the first time. You can use the Impact X intrinsically safe smartphone, or a regular Android smartphone to pair the Orbit X with a network the first time.

Video & imaging

Video Resolution	Full HD video (1080p, 30 FPS)
Image Resolution	8 megapixel still images
Buttons	On/Off, Recording/Snapshot, LED light
Codecs	H.264/AVC codec
Storage	32GB of internal video and image storage
Image Sensor	1/3 inch high end CMOS sensor
Light Modes	Video LED

Certifications

Ex Certified	ATEX / IECEx Zone 1 Ex ib IIC T6
IP Grade	IP68 water proof (50 meters)
Shock Resistance	4 Joule Shock proof / 2 meter drop proof
CE and FCC	CE and FCC compliant
Country of Origin	Made in Norway

Physics

Length	113 mm
Diameter	26 mm
Weight	85 grams
Storage Temperature	-40°C to +60°C
Operating Temperature	-20°C to +45°C
Camera Glass	Gorilla glass impact proof
Material	Aluminium
Surface	Hard anodized scratch free surface

Headsets

The headset connection allows for the camera to be used as a complete wireless video headset with a direct audio output that works with any headset. The connection is a 3,5 mm audio jack. The device also has built in Bluetooth. Check out the accessories section for more information.

Magnetic universal mounts

The Orbit X can be used in a wide range of applications. We have therefore made a set of magnetic snap in mounts that makes you able to use the camera wherever you want. It comes with helmet and wall mounts. Telescopic poles can also be used to film and inspect those hard to reach areas, no need for rope access and ladders! The device can quickly and safely be removed and docked in any position.

Core features

Operating System	Android 4.3 Jelly Bean
CPU	Dual core 1.5 Ghz processor
Battery	Integrated high capacity battery
SSD	32GB-64GB built in
Video Codec	1080p video acceleration

Wireless

Bluetooth	Bluetooth 4.0 and BLE (Low Energy)
Wi-Fi	802.11abgn (2,4 + 5 ghz)
Location Tracking	GPS

Audio

Microphones	2 Digital (speech + surroundings)
Noise Canceling	Active noise cancelling
Audio Communication	Full duplex audio communication
Audio Codecs	CD quality AAC LC/LD
Bluetooth	Bluetooth audio headset support
Headset	3.5mm audio jack

Pairing

Device Management	View images and video in browser
Wireless Pairing	Stream to Impact X HD screen

Networking

Video Conferencing	Skype, SIP, H.323
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Mounitng	Helmet, wall and telescopic pole
Mounting	Magnetic mount
Connectors	Covered USB and audio jack

Power

Battery Size	1,5 Ah
Standby	200 hours
Video Streaming	3 hours
Video Recording	4 hours

Applications

HD Video Collaboration	Sipido
Management Solution	HostedMobiles
Third Party Apps	Google Play

Streaming	ISMA, RTSP, HTML5, WebRTC, Onvif
Firewall	Firewall traversal technology
STUN	STUN server support
QoS	Diffserv, IP presedence (QoS)

Included

Charger	Multi region USB
Warranty	1 year hardware warranty
User Manual	Quick Guide